

AMENDMENTS TO THE CLAIMS

Claims 1-41 are pending in the instant application. Claims 1-41 have been cancelled and new claims 42-71 have been added. The Applicant requests reconsideration of the claims in view of the following amendments and remarks.

Listing of claims:

1-41. (Cancelled)

42. (New) A method for communication, the method comprising:

in a chip comprising a plurality of wireless transmitter and/or receiver devices,

generating two or more priority signals to control prioritization of information between corresponding MAC interfaces for each of said plurality wireless transmitter and/or receiver devices within said chip; and

coordinating communication of information between two or more of said plurality of wireless transmitter and/or receiver devices by configuring one or more of said corresponding MAC interface devices via said generated two or more priority control signals.

43. (New) The method according to claim 42, comprising controlling throughput of one or more of said plurality of wireless transmitter and/or receiver via said configuration of said one or more of said corresponding MAC interface devices.

44. (New) The method according to claim 42, comprising controlling latency associated with said communication of information via said configuration of said one or more of said corresponding MAC interface devices.

45. (New) The method according to claim 42, comprising controlling connection time of one or more of said plurality of wireless transmitter and/or receiver via said configuration of said one or more of said corresponding MAC interface devices.

46. (New) The method according to claim 42, comprising configuring one or more of said corresponding MAC interface devices via said generated one or more priority control signals via a wireless signal.

47. (New) The method according to claim 42, comprising configuring one or more of said corresponding MAC interface devices via said generated one or more priority control signals via a host system.

48. (New) The method according to claim 42, comprising coordinating said communication of information based on user input.

49. (New) The method according to claim 42, comprising coordinating said communication of information based on detection of an active application.

50. (New) The method according to claim 42, comprising coordinating said communication of information based on a protocol specific command.

51. (New) The method according to claim 42, comprising assigning first and second priority control signals selected from said two or more priority control signals, to first and

second wireless transmitter and/or receiver devices selected from said plurality of wireless transmitter and/or receiver devices.

52. (New) The method according to claim 51, comprising receiving or transmitting data on said first of said plurality of wireless transmitter and/or receiver devices in accordance with the relative priority of said first priority control signal to said second priority control signal.

53. (New) The method according to claim 51, wherein said first of said plurality of wireless transmitter and/or receiver devices comprises a WLAN wireless interface device, and wherein said second of said plurality of wireless transmitter and/or receiver devices comprises a Bluetooth wireless interface device.

54. (New) The method according to claim 51, wherein said first of said plurality of wireless transmitter and/or receiver devices comprises a first Bluetooth wireless interface device, and wherein said second of said plurality of wireless transmitter and/or receiver devices comprises a second Bluetooth wireless interface device.

55. (New) The method according to claim 51, wherein said first of said plurality of wireless transmitter and/or receiver devices is compliant with Bluetooth, and wherein said second of said plurality of wireless transmitter and/or receiver devices is compliant with IEEE 802.11(b) or IEEE 802.11(g).

56. (New) The method according to claim 51, wherein said first priority control signal comprises a user-specified priority indication for said first of said plurality of wireless transmitter and/or receiver devices, such that said first of said plurality of wireless transmitter and/or receiver devices is given priority in the reception or transmission of data relative to said first of said plurality of wireless transmitter and/or receiver devices.

57. (New) A system for communication, the system comprising:

at least one circuitry for use in a chip comprising a plurality of wireless transmitter and/or receiver devices, said at least one circuitry generates two or more priority signals to control prioritization of information between corresponding MAC interfaces for each of said plurality wireless transmitter and/or receiver devices within said chip; and

said at least one circuitry coordinates communication of information between two or more of said plurality of wireless transmitter and/or receiver devices by configuring one or more of said corresponding MAC interface devices via said generated two or more priority control signals.

58. (New) The system according to claim 57, wherein said at least one circuitry controls throughput of one or more of said plurality of wireless transmitter and/or receiver via said configuration of said one or more of said corresponding MAC interface devices.

59. (New) The system according to claim 57, wherein said at least one circuitry controls latency associated with said communication of information via said configuration of said one or more of said corresponding MAC interface devices.

60. (New) The system according to claim 57, wherein said at least one circuitry controls connection time of one or more of said plurality of wireless transmitter and/or receiver via said configuration of said one or more of said corresponding MAC interface devices.

61. (New) The system according to claim 57, wherein said at least one circuitry configures one or more of said corresponding MAC interface devices via said generated one or more priority control signals via a wireless signal.

62. (New) The system according to claim 57, wherein said at least one circuitry configures one or more of said corresponding MAC interface devices via said generated one or more priority control signals via a host system.

63. (New) The system according to claim 57, wherein said at least one circuitry coordinates said communication of information based on user input.

64. (New) The system according to claim 57, wherein said at least one circuitry coordinates said communication of information based on detection of an active application.

65. (New) The system according to claim 57, wherein said at least one circuitry coordinates said communication of information based on a protocol specific command.

66. (New) The system according to claim 57, wherein said at least one circuitry assigns first and second priority control signals selected from said two or more priority control signals, to first and second wireless transmitter and/or receiver devices selected from said plurality of wireless transmitter and/or receiver devices.

67. (New) The system according to claim 66, wherein said at least one circuitry enables receiving or transmitting of data on said first of said plurality of wireless transmitter and/or receiver devices in accordance with the relative priority of said first priority control signal to said second priority control signal.

68. (New) The system according to claim 66, wherein said first of said plurality of wireless transmitter and/or receiver devices comprises a WLAN wireless interface device, and wherein said second of said plurality of wireless transmitter and/or receiver devices comprises a Bluetooth wireless interface device.

69. (New) The system according to claim 66, wherein said first of said plurality of wireless transmitter and/or receiver devices comprises a first Bluetooth wireless interface device, and wherein said second of said plurality of wireless transmitter and/or receiver devices comprises a second Bluetooth wireless interface device.

70. (New) The system according to claim 66, wherein said first of said plurality of wireless transmitter and/or receiver devices is compliant with Bluetooth, and wherein said second of said plurality of wireless transmitter and/or receiver devices is compliant with IEEE 802.11(b) or IEEE 802.11(g).

71. (New) The system according to claim 66, wherein said first priority control signal comprises a user-specified priority indication for said first of said plurality of wireless transmitter and/or receiver devices, such that said first of said plurality of wireless transmitter and/or receiver devices is given priority in the reception or transmission of data relative to said first of said plurality of wireless transmitter and/or receiver devices.